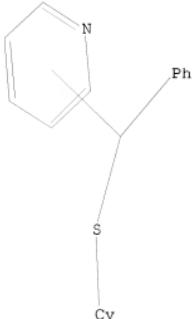


10/561,838

```
=> id  
ID IS NOT A RECOGNIZED COMMAND  
The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (>).
```

```
=> d  
L1 HAS NO ANSWERS  
L1 STR
```



Structure attributes must be viewed using STN Express query preparation.

```
=> s ll full  
REGISTRY INITIATED  
Substance data SEARCH and crossover from CAS REGISTRY in progress...  
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.
```

```
FULL SEARCH INITIATED 12:33:45 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 1229379 TO ITERATE
```

```
81.3% PROCESSED 1000000 ITERATIONS 6 ANSWERS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.17
```

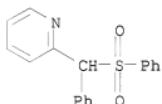
```
FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**  
PROJECUTED ITERATIONS: 1229379 TO 1229379  
PROJECTED ANSWERS: 6 TO 15
```

```
L2 6 SEA SSS FUL L1
```

L3 2 L2

=&gt; d 1-2 ibib abs hitstr

L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2005:1117984 CAPLUS  
 DOCUMENT NUMBER: 144:22625  
 TITLE: N-Sulfonylbenzotriazoles as advantageous reagents for C-sulfonylation  
 AUTHOR(S): Katritzky, Alan R.; Abdel-Fattah, Ashraf A. A.; Vakulenko, Anatoliy V.; Tao, Hui  
 CORPORATE SOURCE: Center for Heterocyclic Compounds Department of Chemistry, University of Florida, Gainesville, FL, 32611-7200, USA  
 SOURCE: Journal of Organic Chemistry (2005), 70(23), 9191-9197  
 CODEN: JOCEAH; ISSN: 0022-3263  
 PUBLISHER: American Chemical Society  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 144:22625  
 AB Reactions of readily available N-(alkyl-, aryl-, and heteroaryl sulfonyl)benzotriazoles with diverse nitriles, reactive heteroaroms., alkylheteroaroms., sulfones, and esters produced  $\alpha$ -cyanoalkyl sulfones, sulfonylheteroaroms.,  $\alpha$ -(sulfonylalkyl)heterocycles,  $\alpha$ -sulfonylalkyl sulfones, and esters of  $\alpha$ -sulfonyl acids, resp., in synthetically useful to excellent yields. The results represent examples of the successful application of sulfonylazoles for C-sulfonylation.  
 IT 866250-91-1P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of  $\alpha$ -cyanoalkyl, heteroaryl,  $\alpha$ -sulfonylalkyl, heteroarylalkyl sulfones, and  $\alpha$ -sulfonyl esters via sulfonylation of nitriles, heterocycles, alkylheterocycles, alkylsulfones, or esters with N-sulfonylbenzotriazoles)  
 RN 866250-91-1 CAPLUS  
 CN Pyridine, 2-[phenyl(phenoxy)sulfonyl)methyl]- (CA INDEX NAME)



REFERENCE COUNT: 81 THERE ARE 81 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2005:395089 CAPLUS  
 DOCUMENT NUMBER: 142:447221  
 TITLE: Preparation of 5-substituted

2-((phenylmethyl)thio)-4-phenyl-4H-1,2,4-triazole derivatives as GABA-agonists for the treatment of urinary incontinence

## INVENTOR(S):

Bauer, Marcus; Krueger, Joachim; Meier, Heinrich; Voehringer, Verena; Beyreuther, Bettina; Mogi, Muneto; Marumo, Makiko; Tsuno, Naoki; Shimizu, Haruka; Fujishima, Hiroshi; Yuasa, Hiroaki; Hayashi, Mayumi; Umeda, Masaomi; Iwata, Atsuko

## PATENT ASSIGNEE(S):

Bayer Healthcare A.-G., Germany

## SOURCE:

PCT Int. Appl., 113 pp.

## DOCUMENT TYPE:

Patent

## LANGUAGE:

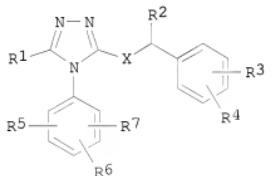
English

## FAMILY ACC. NUM. COUNT:

1

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005039569	A1	20050506	WO 2004-EP11101	20041005
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2542682	A1	20050506	CA 2004-2542682	20041005
EP 1677786	A1	20060712	EP 2004-790125	20041005
R: DE, ES, FR, GB, IT				
JP 2007509045	T	20070412	JP 2006-534642	20041005
PRIORITY APPLN. INFO.:			EP 2003-23701	A 20031018
			WO 2004-EP11101	W 20041005
OTHER SOURCE(S):	CASREACT 142:447221; MARPAT 142:447221			
GI				



AB Title compds. I [R1 = alkoxy, amino, alkylamino, etc.; R2 = acyl, alkyl,

etc.; R3-4 = H, halo, CN, etc.; R5 = H, OH, alkoxy, etc.; R6-7 = H, morpholino, etc.; X = divalent alkyl, NH, SOO-2] are prepared. For instance, 3-(3-cyclopropyl-5-thioxo-1,5-dihydro-4H-1,2,4-triazol-4-yl)benzoic acid is reacted with bromodiphenylmethane (DMF, K<sub>2</sub>CO<sub>3</sub>, 60°, 16 h) to give 3-(3-(benzhydrylsulfanyl)-5-cyclopropyl[1,2,4]triazol-4-yl)benzoic acid (II). II exhibits activity in a GABA<sub>A</sub> assay with an IC<sub>50</sub> > 0.1 μM and ≤ 0.5 μM. I are useful for the treatment of overactive bladder, urinary incontinence such as urge urinary incontinence, benign prostatic hyperplasia (BPH), chronic pain, neuropathic pain, postoperative pain, rheumatoid arthritic pain, neuralgia, neuropathies, algnesia, or nerve injury.

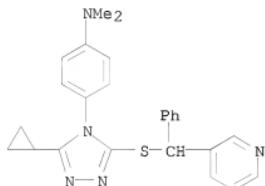
IT 851293-82-8P 851293-94-2P 851294-00-3P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of 5-substituted 2-((phenylmethyl)thio)-4-Ph-4H-1,2,4-triazole derivs. as GABA-agonists for treatment of urinary incontinence)

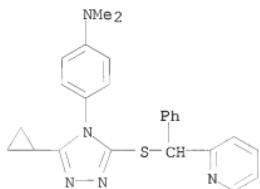
RN 851293-82-8 CAPLUS

CN Benzenamine, 4-[3-cyclopropyl-5-[(phenyl-3-pyridinylmethyl)thio]-4H-1,2,4-triazol-4-yl]-N,N-dimethyl- (CA INDEX NAME)



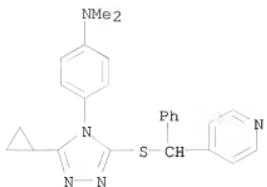
RN 851293-94-2 CAPLUS

CN Benzenamine, 4-[3-cyclopropyl-5-[(phenyl-2-pyridinylmethyl)thio]-4H-1,2,4-triazol-4-yl]-N,N-dimethyl- (CA INDEX NAME)



RN 851294-00-3 CAPLUS

CN Benzenamine, 4-[3-cyclopropyl-5-[(phenyl-4-pyridinylmethyl)thio]-4H-1,2,4-triazol-4-yl]-N,N-dimethyl- (CA INDEX NAME)



REFERENCE COUNT:

4

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT